

Fig. 1

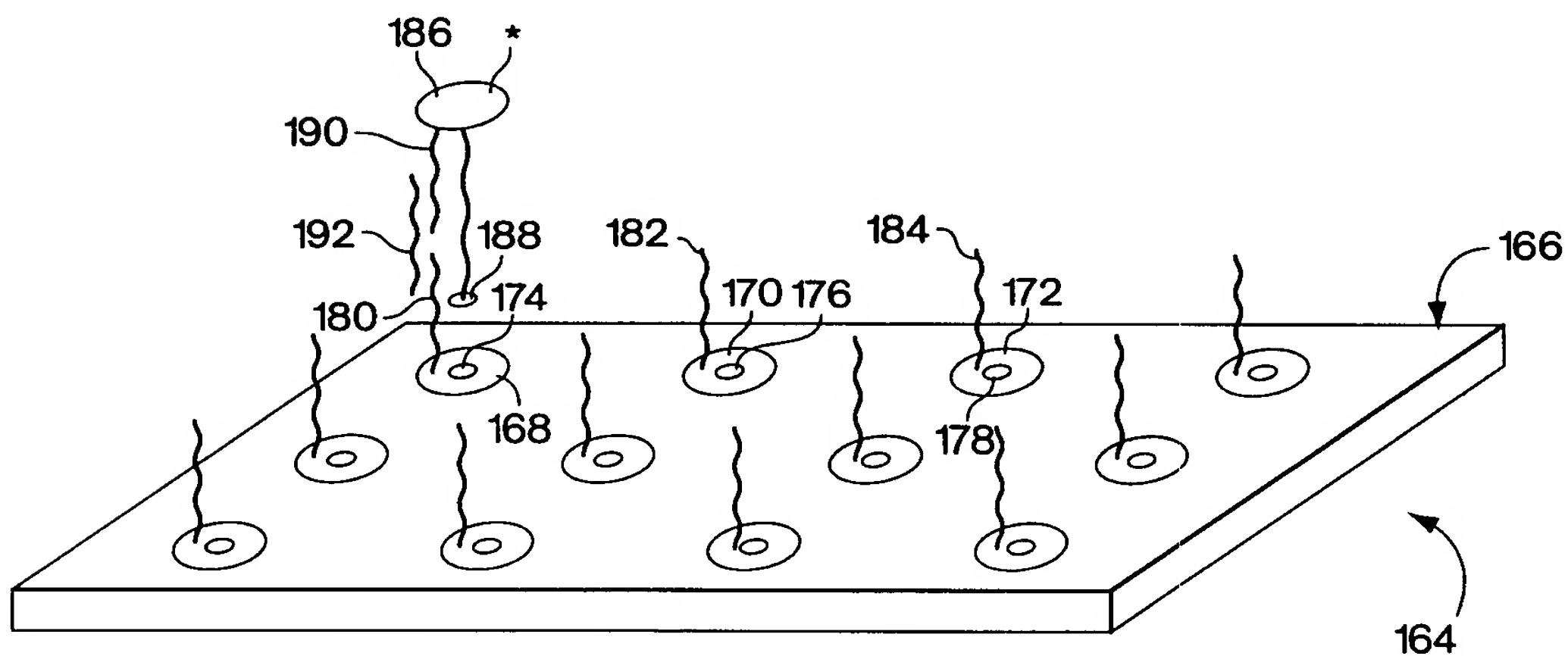


Fig. 2

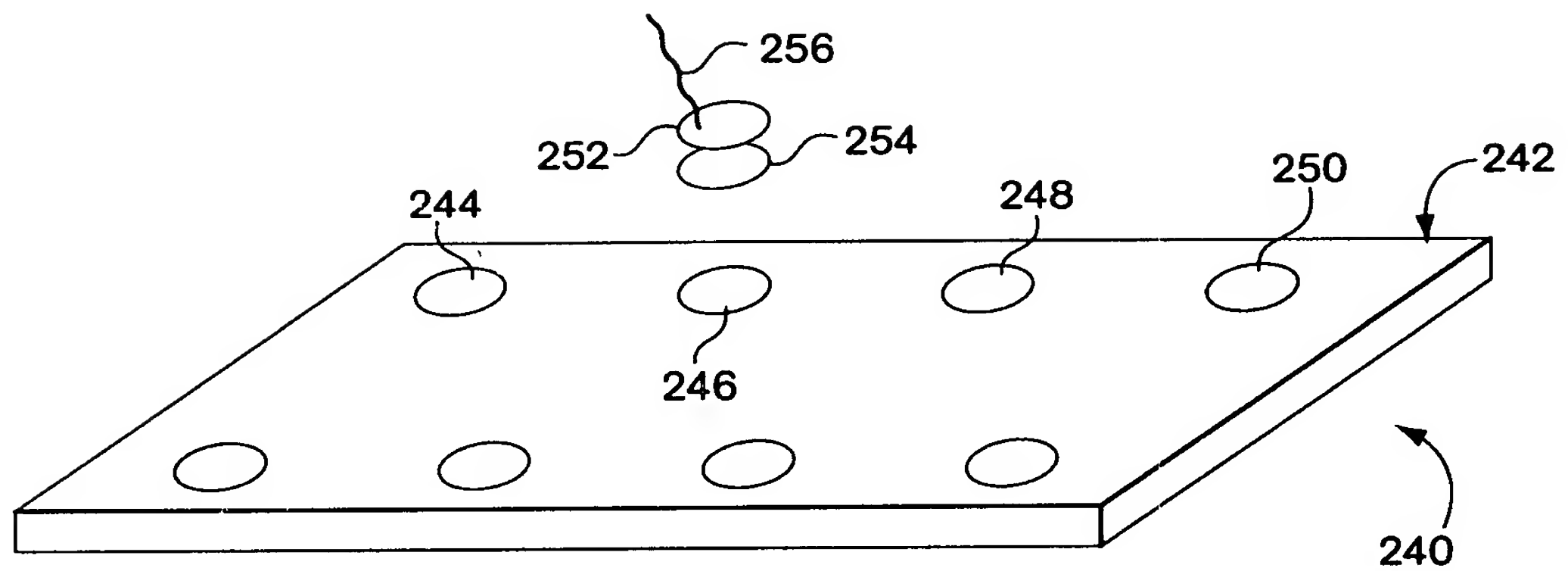


Fig. 3

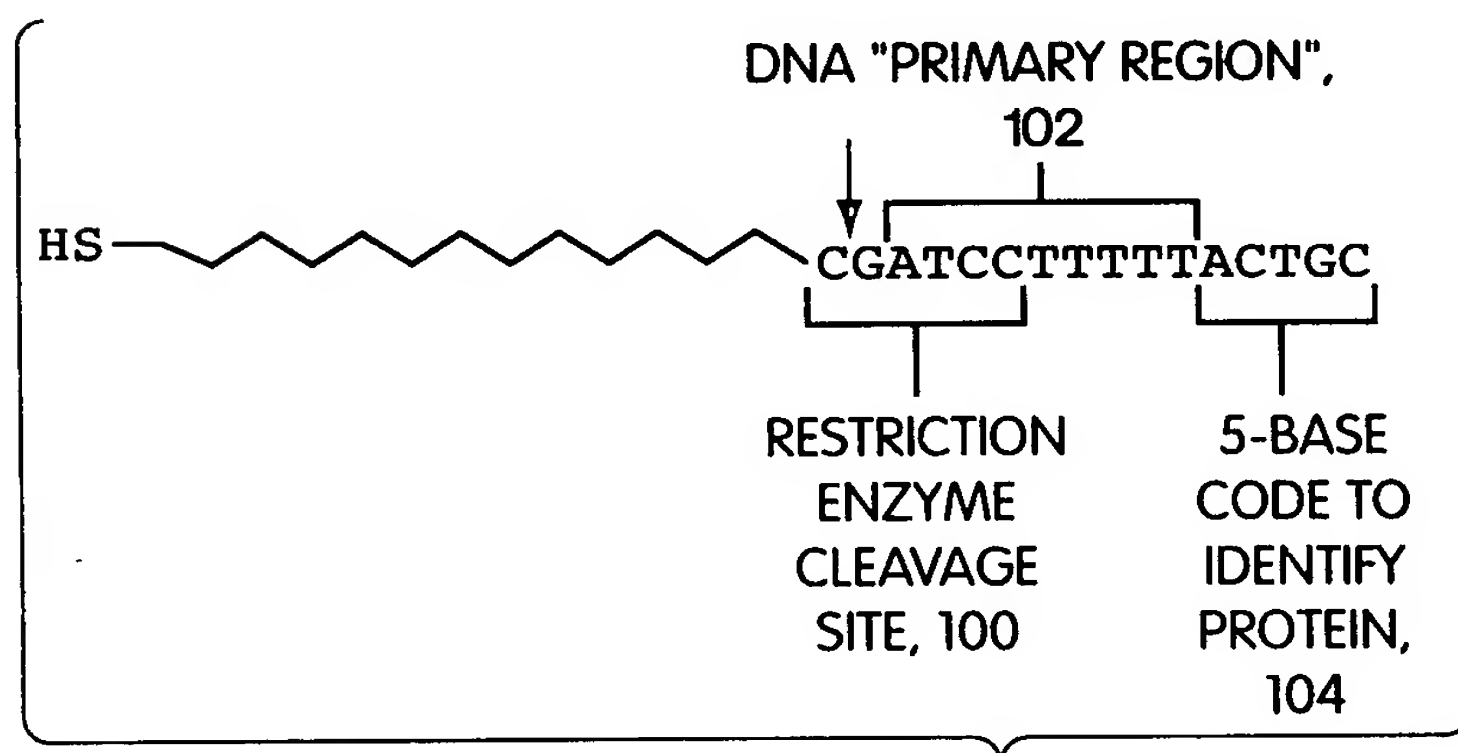
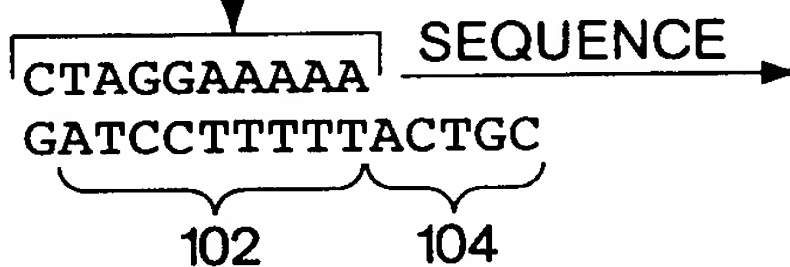


Fig. 4

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FOLD COMPLEMENTARY DNA TO "DNA PRIMING REGION" +
SEQUENCE USING STANDARD PCR METHODS:

COMPLEMENTARY OLIGO, 122



MATCH UP RESULTING SEQUENCE DATA WITH
RECORDS KEPT THAT CONNECT PROTEIN
IDENTIFY TO SEQUENCE:

ACTGC = PROTEIN # 120
(SPECIES)

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Fig. 5

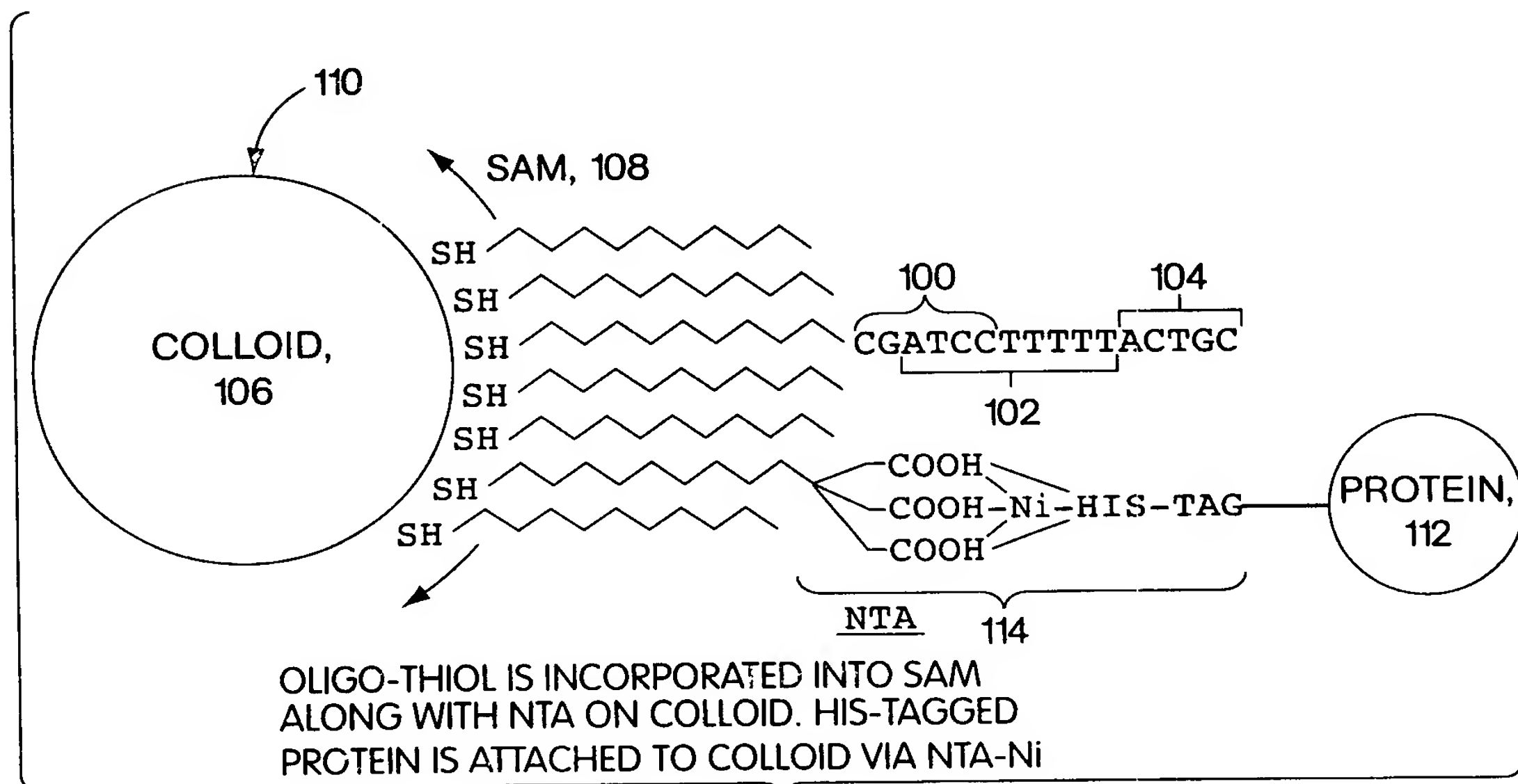


Fig. 6

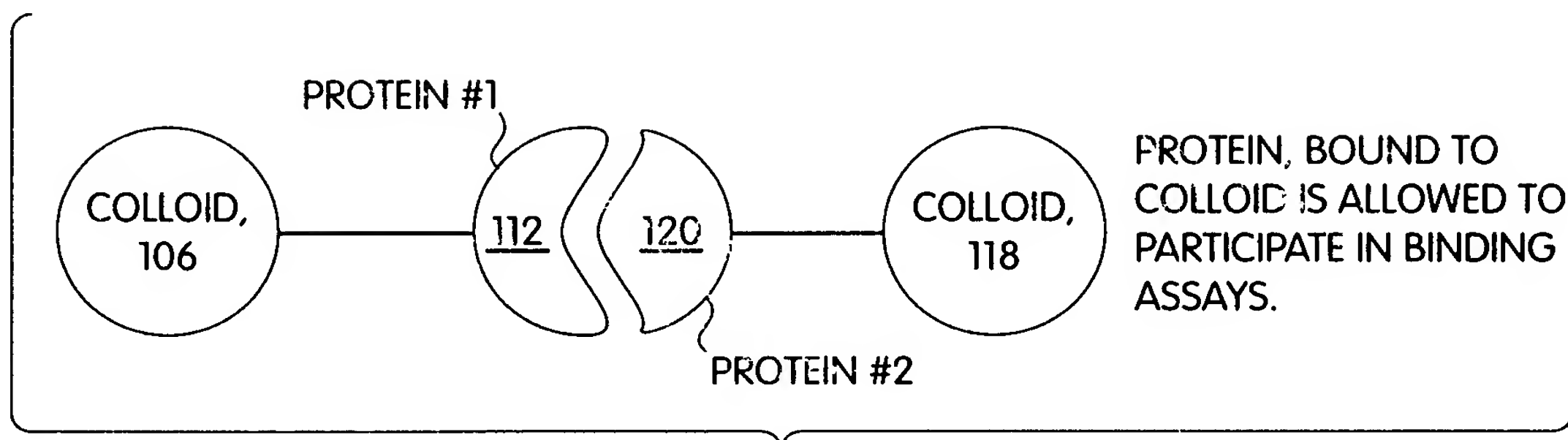


Fig. 7

TO UNCOVER THE IDENTITY OF PROTEIN AFTER THE ASSAYS ARE COMPLETED, CLEAVE THE DNA PORTION OF THE DNA-THIOL BY ADDITION OF A RESTRICTION ENZYME:

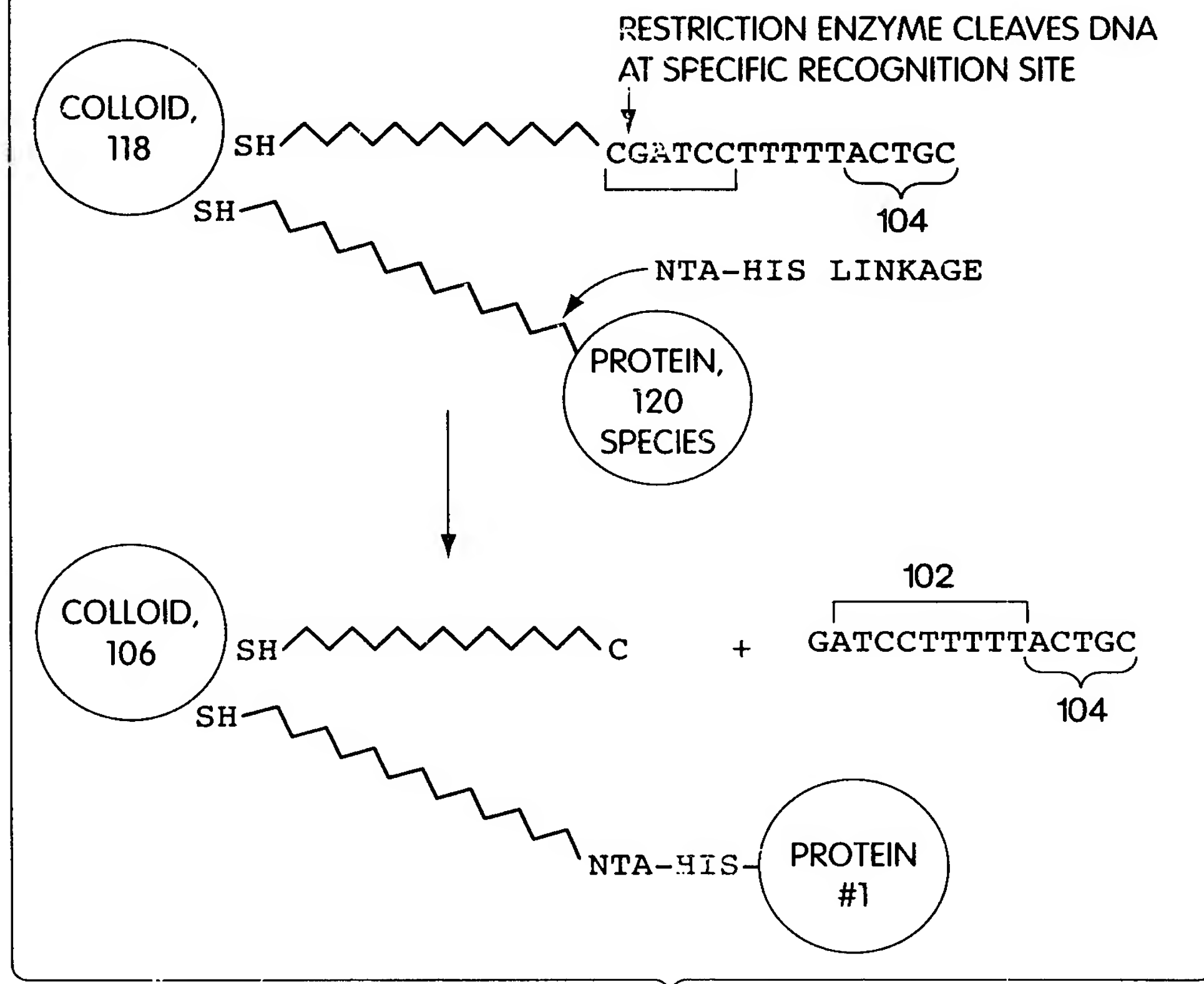


Fig. 8

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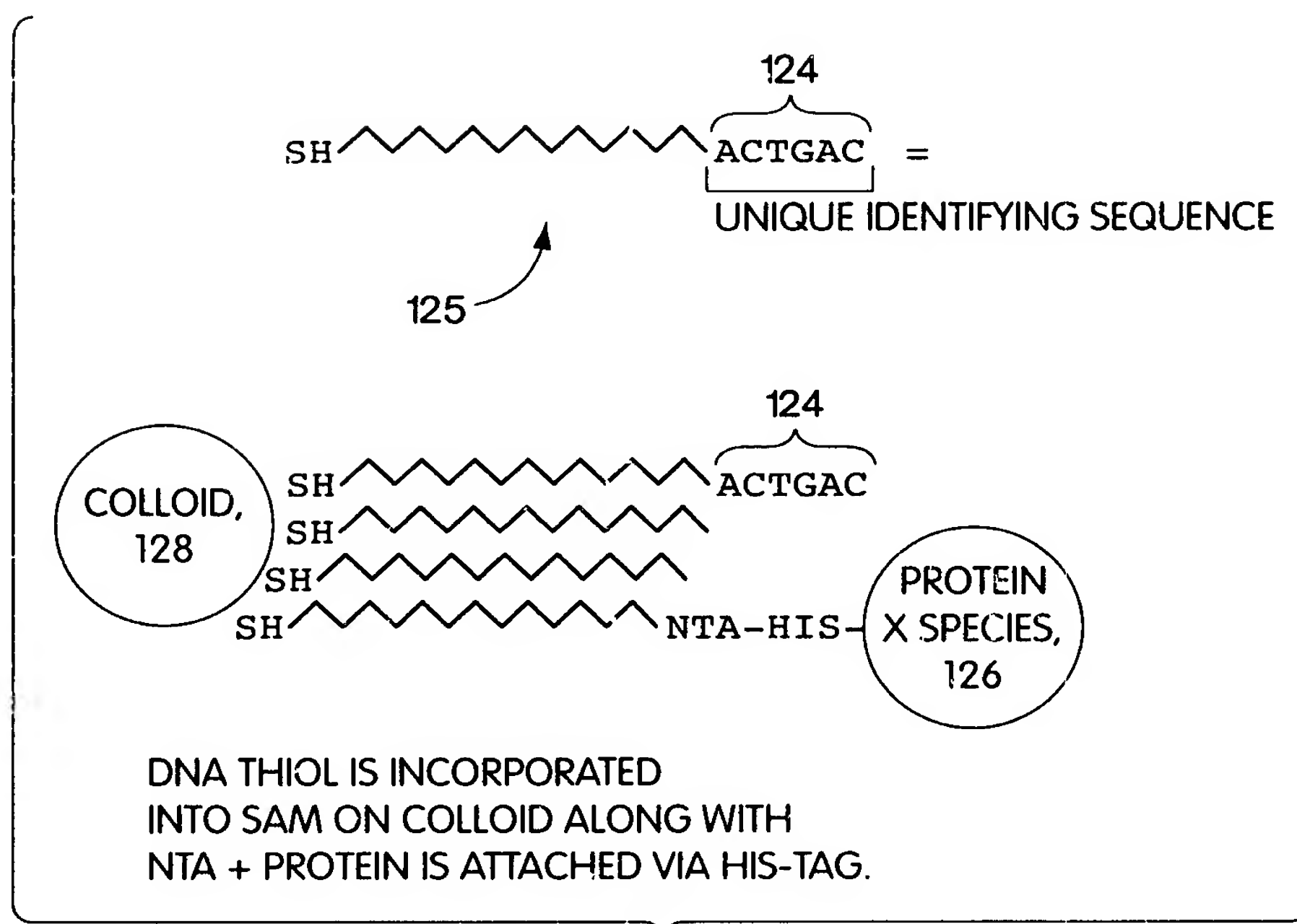


Fig. 9

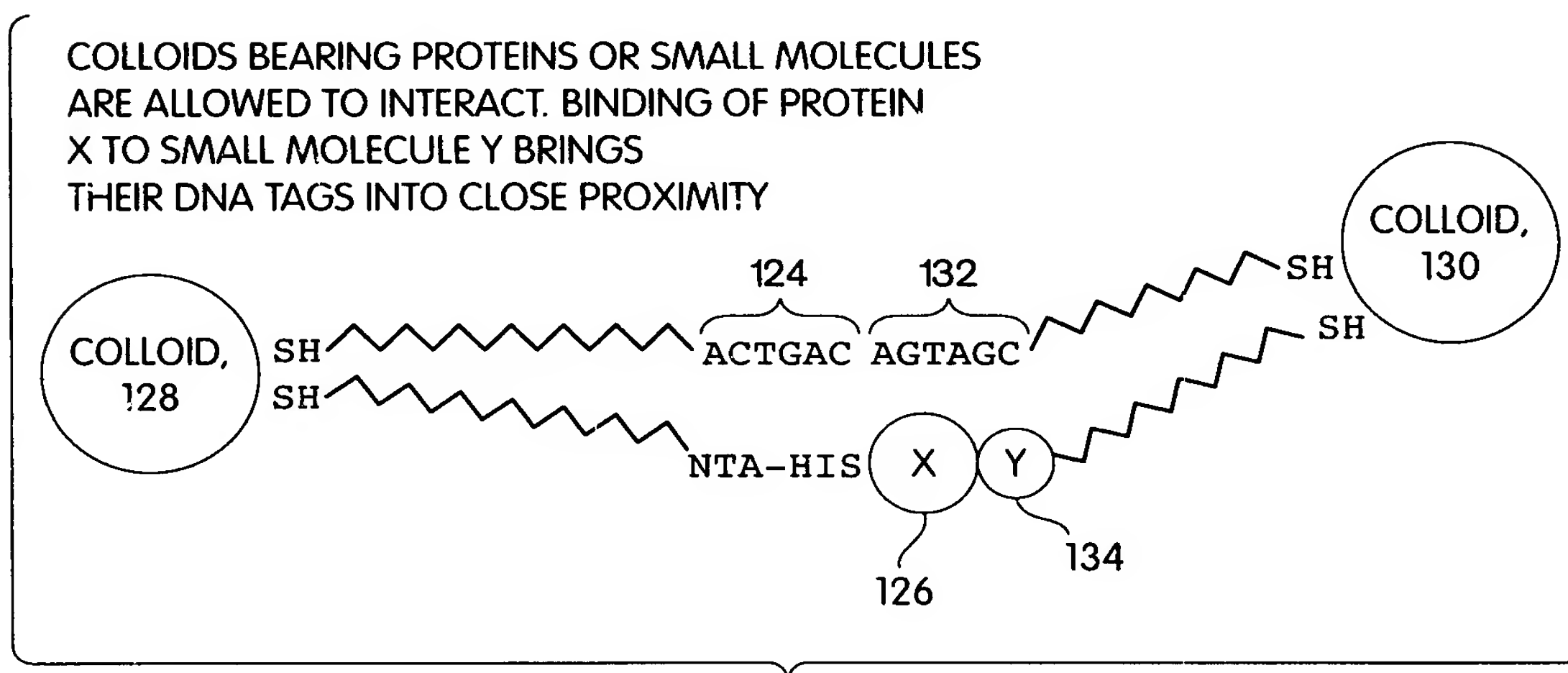


Fig. 10

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COMPLEMENTARY SEQUENCES TO OLIGO IDENTIFIER DNA
ARE ADDED + ALLOWED TO BIND.

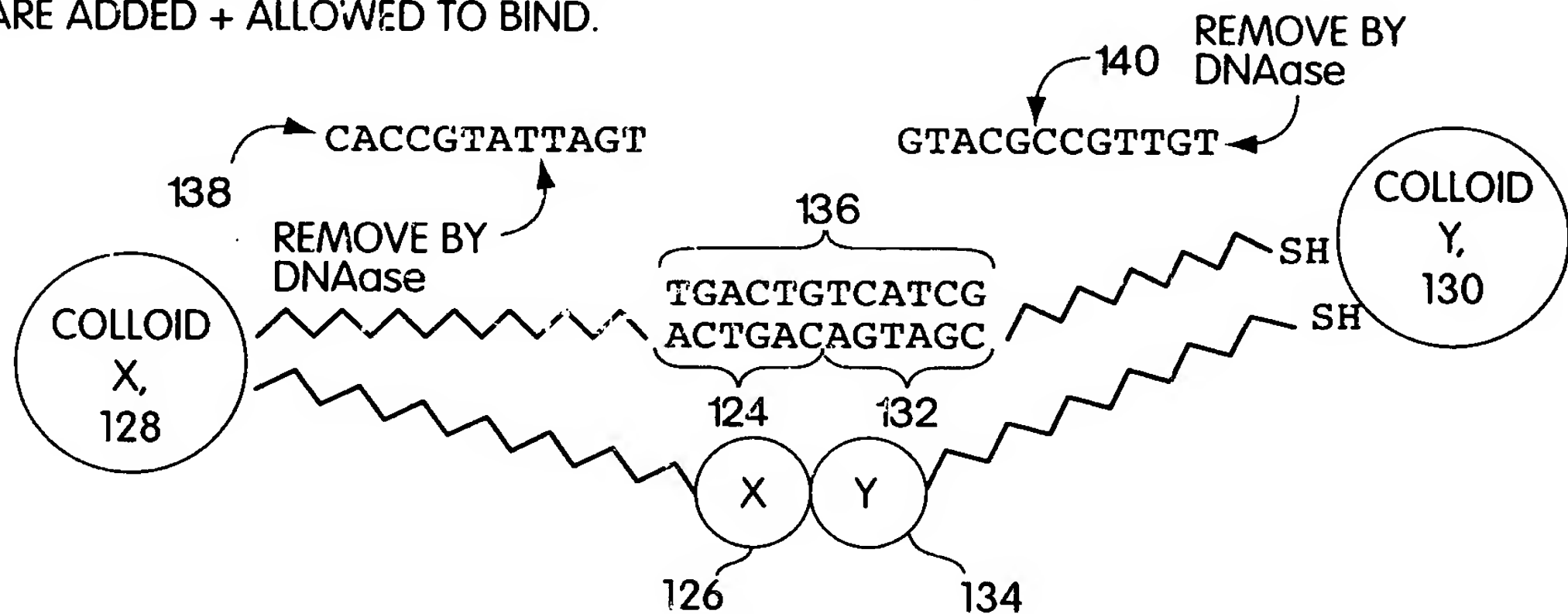
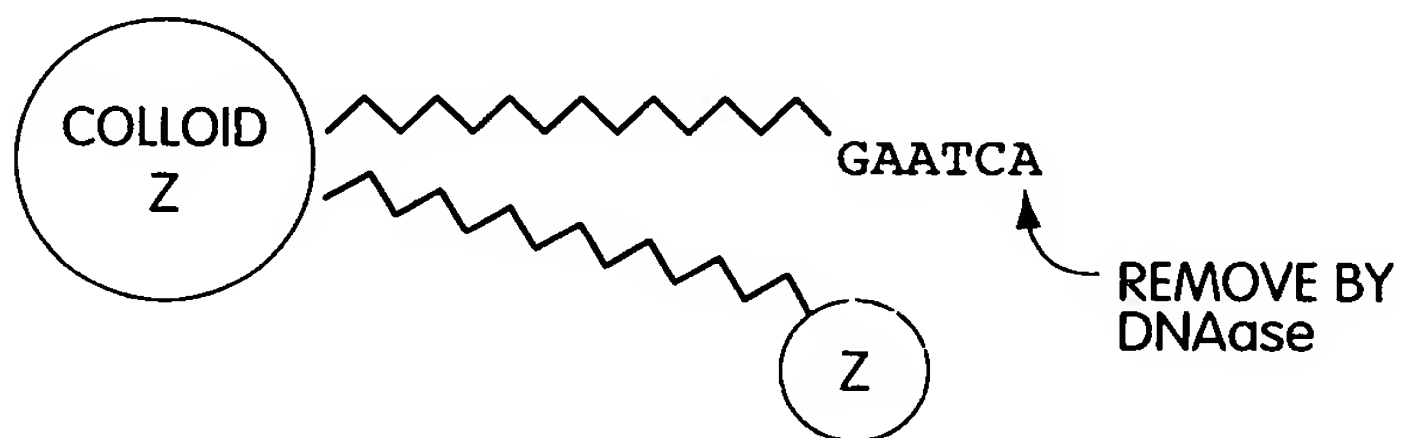


Fig. 11



SINGLE-STRANDED DNAase IS ADDED TO REMOVE (OR
"CHEW UP") ANY NON-HYBRIDIZED DNA.

Fig. 12

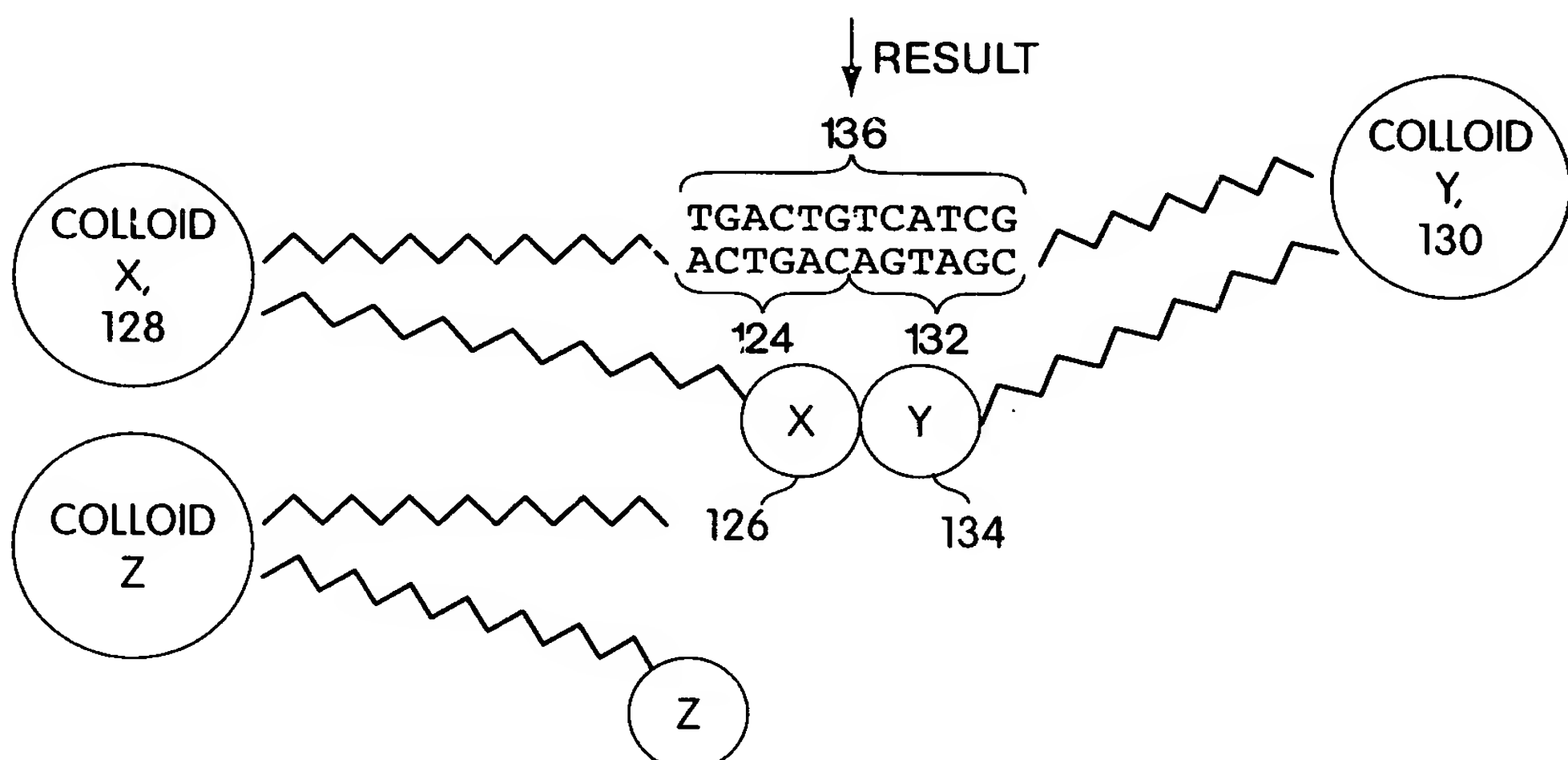


Fig. 13

COMPLEMENTARY DNA IS DENATURED AND SEQUENCED.

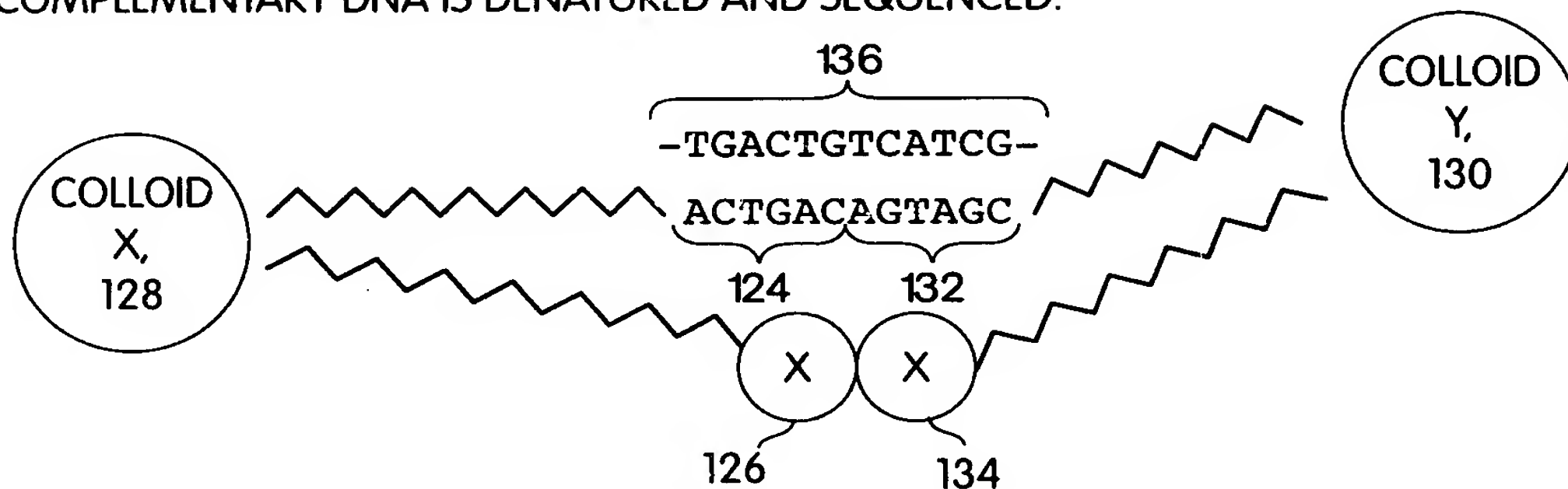
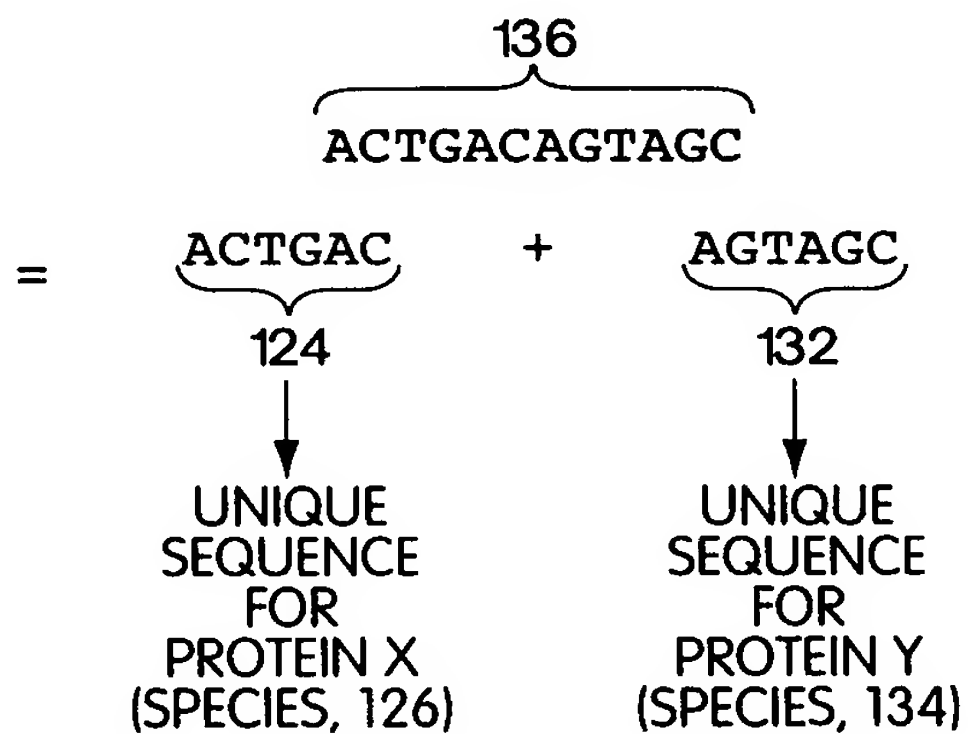


Fig. 14

RESULTING SEQUENCE CONTAINS THE
UNIQUE DNA CODES OF THE TWO BINDING
PARTNERS, X + Y:



PROTEIN X + PROTEIN Y MUST BE BINDING PARTNERS.

Fig. 15

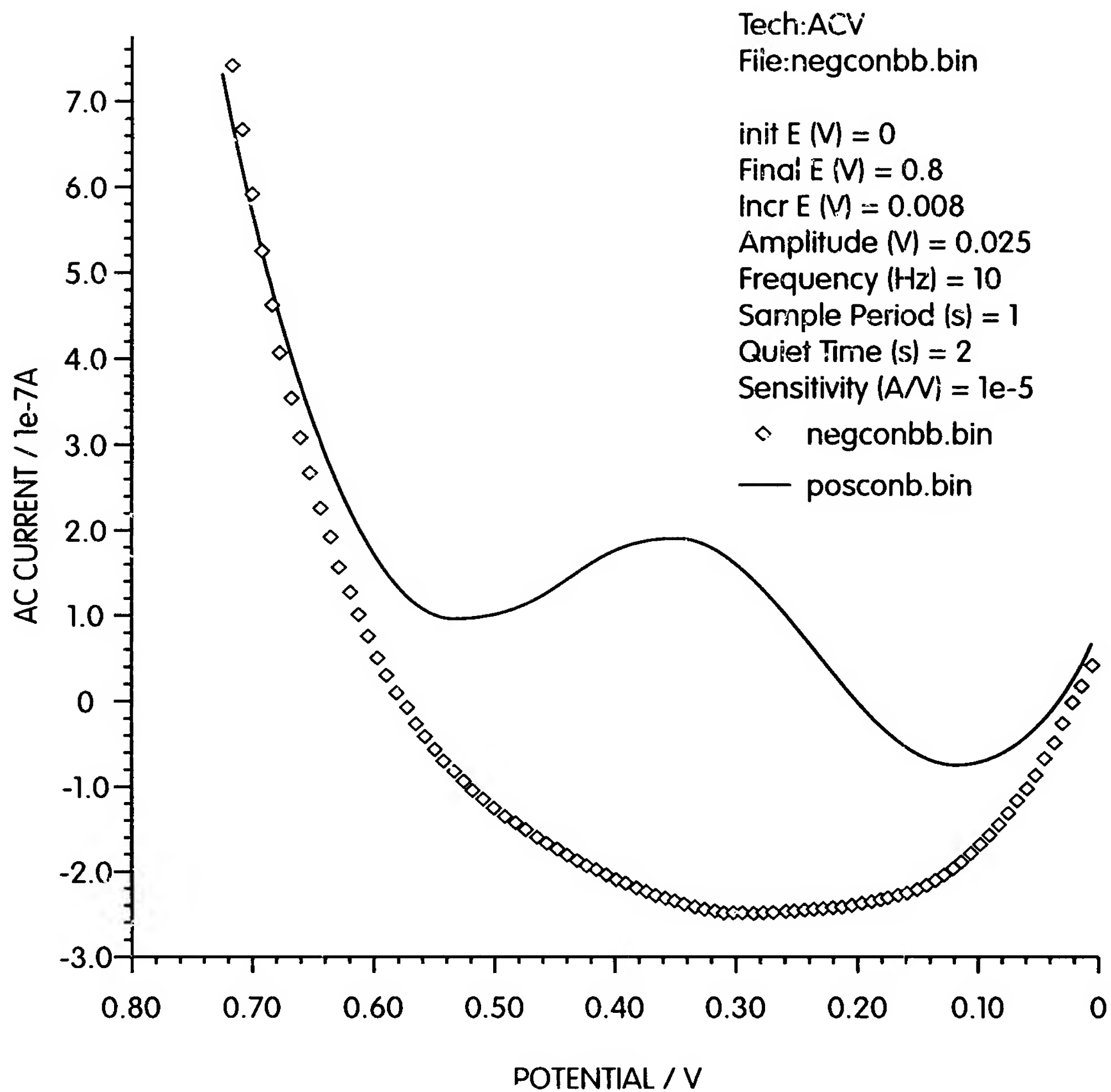


Fig. 16

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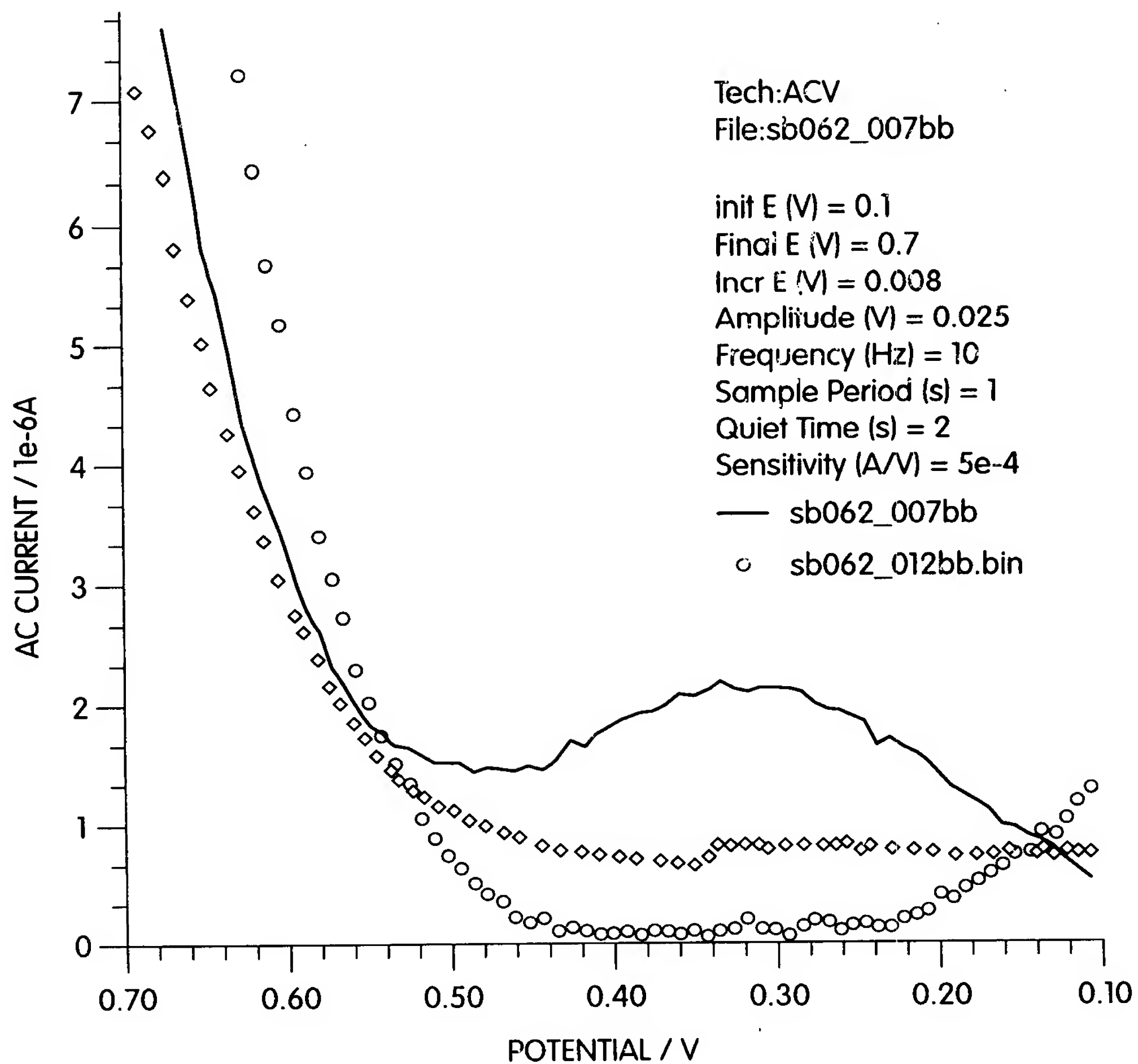


Fig. 17

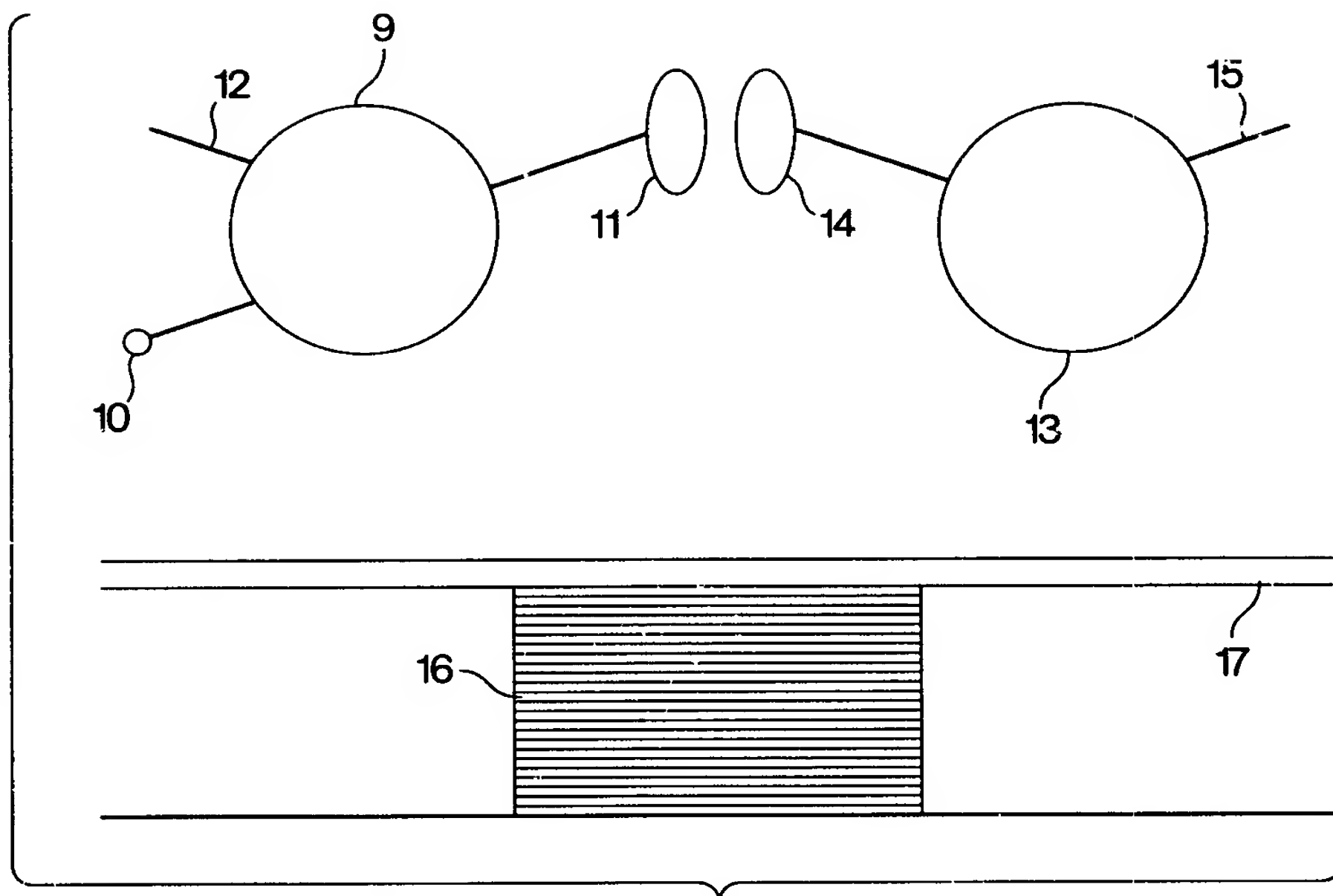


Fig. 18

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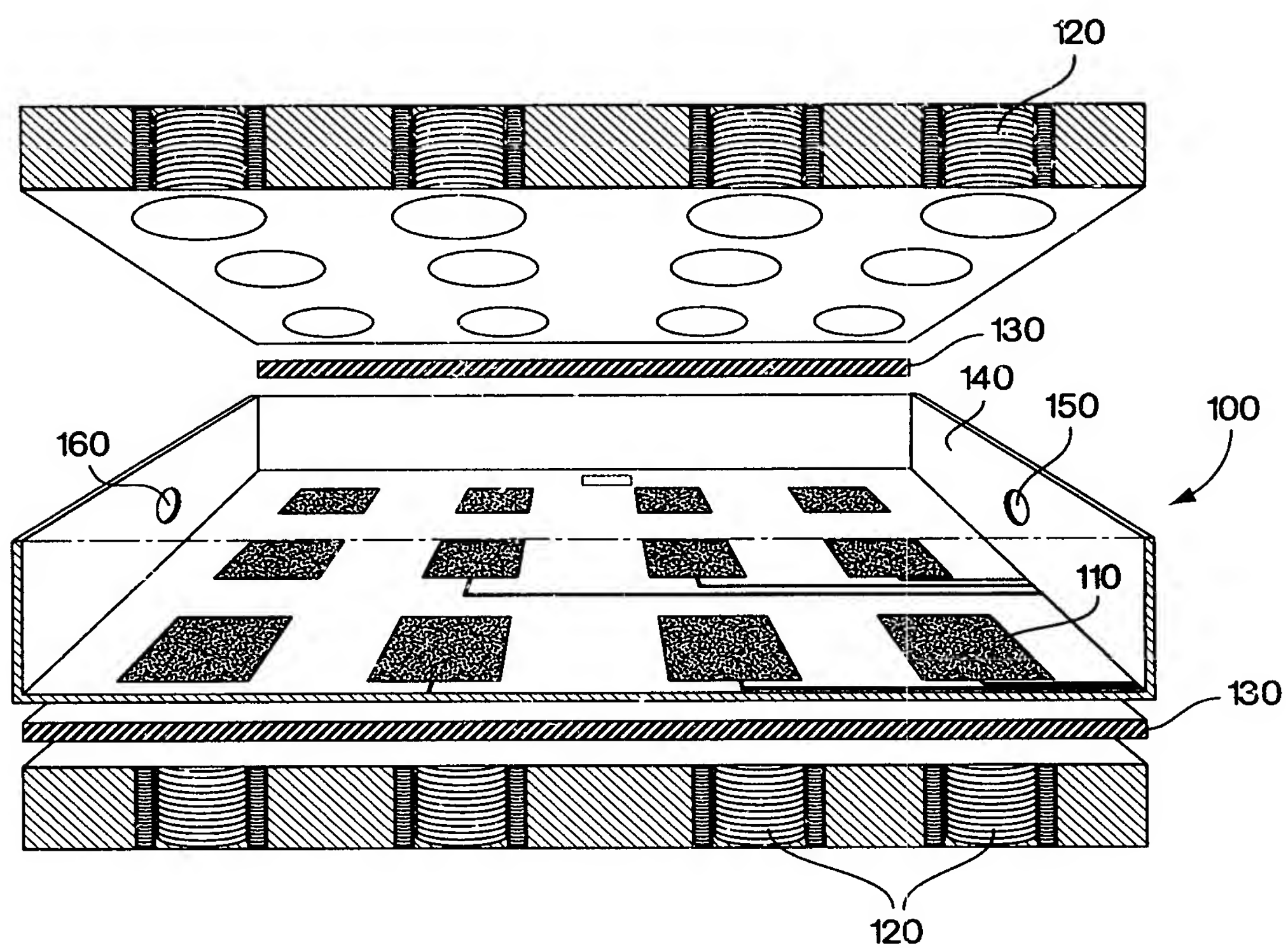


Fig. 19